

- 1 -
piece 1, NC_000913, DR8_litt+, config: linear, direction: +, begin: 1197694, end: 1197937

5' * *1197700 * *1197710 * *1197720 * *1197730 * *1197740 * *1197750 * *1197760 * *1197770 3'
- t g a a a t g a t g a a a t g a t g a a a t g a t g a c a g a g t g t c a c a g t g g g c a c g a t g g t g t c t t a c g a c a t g c t t a c c t 3'
- glu - met - met - lys - fMet - met - lys - fMet - met - thr - glu - cys - pro - val - gly - thr - asp - gly - val - leu - arg - his - ala - tyr - leu -
- lys - lys - lys - lys - fMet - met - lys - fMet - met - lys - fMet - ser - ser - gly - his - gly - trp - cys - leu - thr - thr - cys - leu - pro -
- lys - lys - lys - lys - fMet - val - ser - tyr - asp - met - leu - thr - leu -

ir DR8_litt+
sd

[###> orf 3 codons

{ sd-(9)-ir 1197717 Gap 2.3 bits

sd-ir 1197717 DR8_litt+ total 6.6 bits

{ sd-(11)-ir 1197722 Gap 3.0 bits

sd-ir 1197722 DR8_litt+ total 6.2 bits

{ sd-(9)-ir 1197725 Gap 2.3 bits

sd-ir 1197725 DR8_litt+ total 8.1 bits

5' * *1197780 * *1197790 * *1197800 * *1197810 * *1197820 * *1197830 * *1197840 * *1197850 * 3'
- t a t c g t t c c a g t g t c o c t a t a g c a g a t t t c t a a a c a t g t c g a t a t t c a t t a c g a c a t a g a a a a a 3'
- asn - arg - ser - gin - cys - ala - tyr - ser - arg - tyr - ser - lys - his - val - asp - asn - ser - leu - arg - ile -
- ile - val - pro - ser - val - pro - ile - ala - asp - ile - leu - asn - met - ser - ile - ile - his - tyr - ala - tyr - ser - ile - glu - his - arg - lys - asn -

{ p35 0.7 bits

{ sd-(12)-ir 1197813 Gap 4.0 bits

{ sd-ir 1197813 DR8_litt+ total 5.2 bits

[###> orf 39 codons

p35 2.3 bits

{ p10 5.9 bits

{ ... p35-(23)-p10 1197872 Gap 6.1 bits

{ p10 6.0 bits

{ p35-(22)-p10 1197804 Gap 2.3 bits

p35-p10 1197804 total 4.3 bits

{ p35 1.5 bits

{ p35-(21)-p10 1197835 Gap 3.3 bits

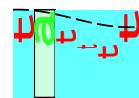
p35-p10 1197835 total 4.1 bits

{ p35-(23)-p10 1197837 Gap 1.4 bits

p35-p10 1197837 total 5.3 bits

5' *1197860 * *1197870 * *1197880 * *1197890 * *1197900 * *1197910 * *1197920 * *1197930 * 3'
- a c t g a a g a t t c a t c t t a t t t g t a t a t a c c t a g c c c a a c a a t g t a g a g g t t a a c g a a a a a t g c g c t c a c c a a t t t g t c 3'
- fMet - tyr - ile - leu - pro - ser - pro - thr - met - fMet - arg - ser - pro - ile - cys -

[###] orf 16 codons



p10 5.2 bits

5' a 3'
-fMet
-

... -- ... NC_000913.lit

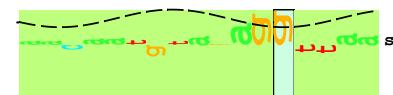
... } p35-(23)-p10 1197872 Gap 1.4 bits

| p35-p10 1197872 total 6.1 bits

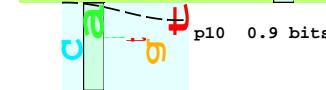
p35 5.7 bits

{ } p35-(22)-p10 1197898 Gap 2.3 bits

p35-p10 1197898 total 4.2 bits



sd ... NC_000913.lit



p10 0.9 bits } ir DR8_lit+

{ } sd-(11)-ir 1197918 Gap 3.0 bits

| -----| sd-ir 1197918 DR8_lit+ total 9.2 bits